



# Section B:1

## ***Waste Management***

### **PROJECT MANAGERS**

G.H. Sanders, RL  
(509) 376-6888

E.S. Aromi Jr., WMH  
(509) 372-1033

## **SUMMARY**

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1; Solid Waste Treatment, PBS WM04, WBS 1.2.2; Liquid Effluents - 200 Area, PBS WM05, WBS 1.2.3.1; and the Waste Encapsulation and Storage Facility, PBS TP02, WBS 1.4.2.

PBS WM05 is divided between WBS 1.2.3.1, Liquid Effluents (200 LEF) and WBS 1.2.3.2, 310 TEDF/340 Facility (300 LEF). The 310 TEDF/340 Facility work scope is now included in the River Corridor Project, whereas the Liquid Effluents (200 LEF) work scope has remained in Waste Management. For the purpose of performance analysis, PBS WM05 is reported in its entirety in the Waste Management Project (WMP), which has the majority of the work scope and funding.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of September 30, 2000. Other data is updated as noted.

### **Top 5 Accomplishments for FY 2000**

The Project completed all FY 2000 milestones on or ahead of schedule. In addition, all Performance Incentive commitments, including stretch goals, were completed (Momentum).

The first three shipments of Hanford transuranic (TRU) waste for disposal at the Waste Isolation Project Plant (WIPP) were completed. Certification of the Hanford TRU Program was achieved with the Carlsbad Field Office (CFO) and the New Mexico Environment Department (NMED). This certification is necessary for these and future waste shipments (Completion and Removal).

Treatment or direct disposal of 1,204 m<sup>3</sup> of Mixed Low Level Waste (MLLW) was completed, surpassing the FY 2002 goal and completing Tri-Party Agreement (TPA) milestone M-19-00. MLLW treatment produced 1,940 m<sup>3</sup> of free space in the Central Waste Complex (Completion and Removal).

Three sections of the T Plant deck were cleared for future acceptance of K Basins sludge in support of the Spent Nuclear Fuels Project (Momentum).

Retrieval and designation of 437 suspect TRU drums (12 more than planned) was achieved with the completion of field assaying (Momentum).

### **Additional FY 2000 Accomplishments**

#### **Momentum**

WM supported the DOE-RL in the declaration of Readiness-to-Proceed for support of the Office of River Protection (ORP) Waste Treatment Plant Contract.

The Waste Minimization and Pollution Prevention expectations associated with waste generation, recycling and affirmative procurement were exceeded.

More than \$8.9M in cost savings were identified. These savings are a result of efficiencies, favorable passbacks, attrition, and procurements put on hold.

A new in-trench technology was deployed where concrete grout is injected around the Category 3 LLW. The new technology results in higher waste loading in the burial grounds, reduced construction costs, and reduced future burial ground closure and monitoring costs.

### **Progress**

The Site groundwater was protected by treating over 17 million gallons of radioactive/hazardous wastewater at the 200 Area Effluent Treatment Facility (ETF). ORP was supported by processing over 1.3 million gallons of tank waste through the 242A Evaporator. The Total Operational Efficiency of 99.3 percent was the highest ever achieved. An operational savings of \$1.2 million was achieved by campaigning 200 Area ETF and 242A Evaporator operations.

### **Completion and Removal**

A total of 8,079 m<sup>3</sup> of low-level waste was disposed in the Low-Level Burial Grounds including 6,582 m<sup>3</sup> from off-site, versus a planned 6,936 m<sup>3</sup>.

Fiscal year milestone performance (EA, DOE-HQ and RL) shows that ten milestones (100 percent) were completed. Nine of the milestones were completed ahead of schedule, including the two Enforceable Agreement milestones. Overall Project performance is superior. Cost and schedule goals for fiscal year 2000 were met.

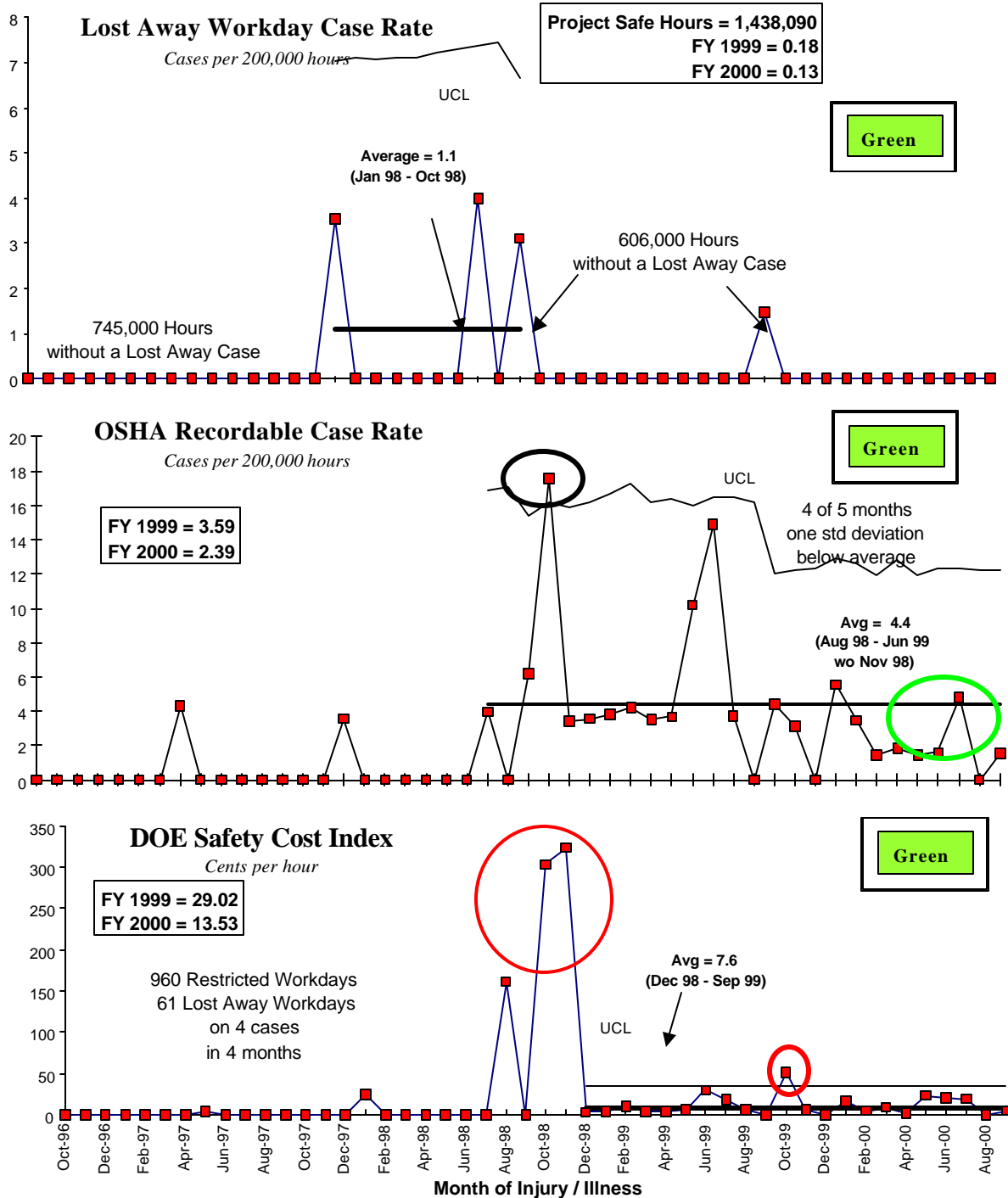
## **ACCOMPLISHMENTS THIS REPORTING PERIOD**

The following activities were completed at the Waste Receiving and Processing (WRAP) facility through September 30, 2000:

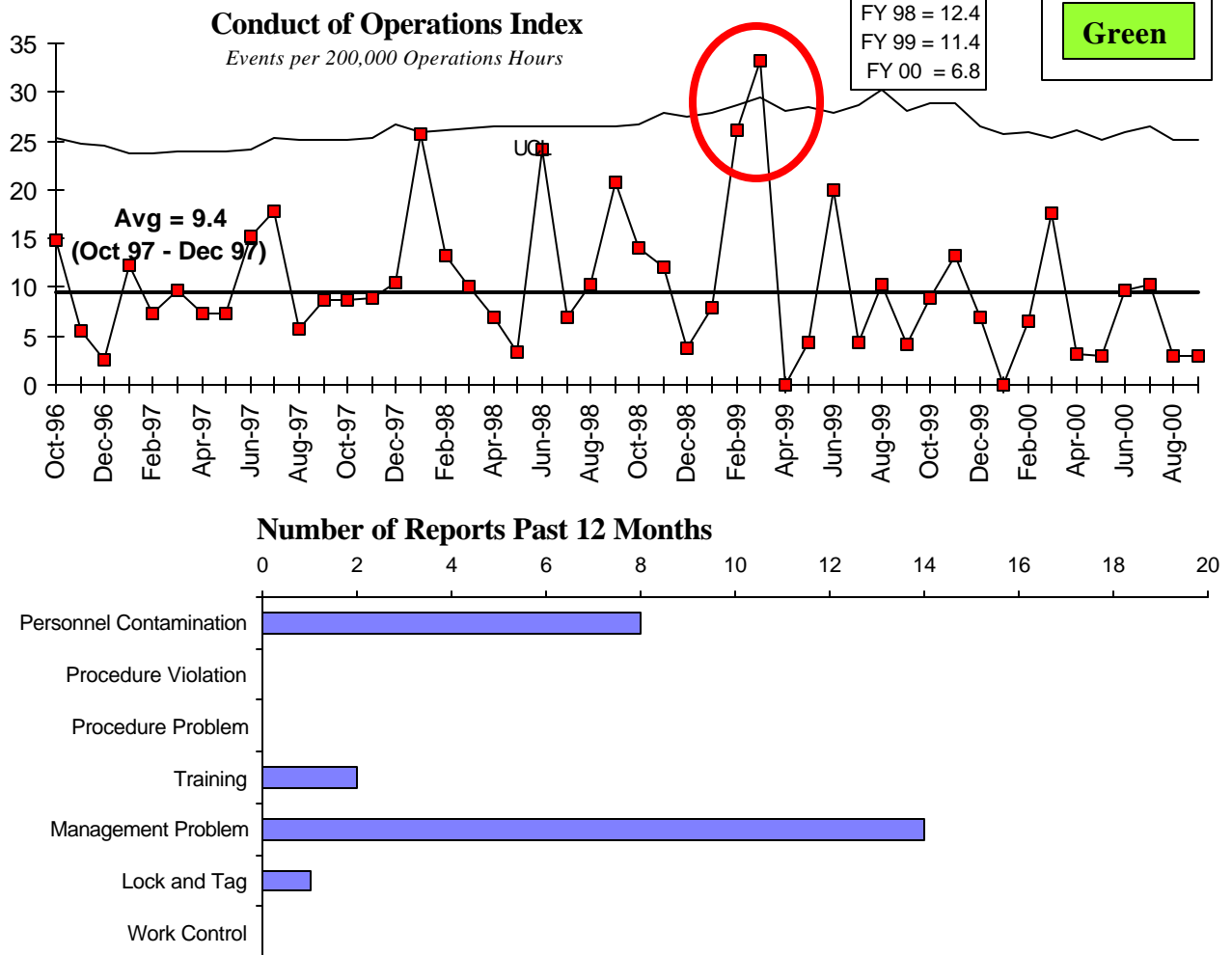
- Nondestructive examination of 44 drums (916 fiscal year total)
- Radiography on 12 boxes (59 fiscal year total)
- Nondestructive assays of 48 drums (992 fiscal year total)
- Processing of 5 drums through the Low Level Waste (LLW) repackaging/compaction glovebox (45 fiscal year total)

## SAFETY

WMP has achieved nearly one and a half million safe hours. Rates have been stable for over two years. During the month of September, the WMP experienced 1 Restricted Workday Case, 12 first aid cases and 3 "Report Only" cases. OSHA recordable injuries are down from previous levels. The Lost/Restricted workday case rate has been below average 7 months in a row, a significant improvement. The OSHA recordable case rate is showing a significant improving trend, with 4 of the past 5 months in a row at one standard deviation below average.



## CONDUCT OF OPERATIONS / ISMS STATUS



## ISMS STATUS

**Green**

### Completed Activities in FY 2000:

- Established a multi-discipline Core Team of represented and professional staff to meet an 18 month accelerated schedule
- Identified process gaps through all-employee surveys and self-assessments
- Developed a System Description of ISMS processes and implementing mechanisms used by all WMP facilities
- Partnered with the PHMC Projects and RL to achieve an efficient implementation of integrated management systems
- Developed a WMP-wide document to clarify specific ISMS roles and responsibilities across the organization
- Developed and received DOE approval for Authorization Agreements for all five WMP Category 2 nuclear facilities

- Successfully completed ISMS Phase I (documentation) and Phase II (field implementation) verifications conducted by multi-discipline DOE teams
- Prepared and executed corrective action plans resulting from self-assessment, Phase I, and Phase II verification activities
  - Participated in development of PHMC ISMS Sustain and Maintain (Continuous Improvement) Plans for out-years

**Planned Action:**

Configuration Control of the WMP portion of the ISMS System Description (MP-003) document will be detailed and distributed as part of the Project level “sustain and maintain” efforts. The project will implement the Sustain and Maintain Plan for ISMS when approved.

## **BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT**

### **Breakthroughs**

An effort has begun to evaluate the potential for consolidation of planned mixed waste disposal facilities on the Hanford Site. It is possible that considerable savings can be realized if the construction/operations of the Solid Waste mixed waste disposal facility, Immobilized Low Activity Waste disposal facility, and the Spent Melter trench can be consolidated. A team is being formed to conduct the assessment of potential savings, and initial discussions are underway with CH2M HILL Hanford Group (CHG).

### **Opportunities for Improvement**

**Waste Management Strategic Planning** — Revision of the Waste Management Project Strategic Plan is underway. A series of workshops have been conducted with the Department of Energy, the Washington State Department of Ecology, and the US Environmental Protection Agency. The objective of the effort is to update and improve the Project strategy, to gain regulator “buy-in,” to improve the format and presentation of the Strategy, and to develop a basis for the ongoing production of the Multi-Year Work Plan. A series of logic diagrams and an overall schedule graphic are being developed which will serve to improve the communication of the Waste Management Strategic Plan to users/stakeholders.

**Mixed Waste Focus Area (MWFA)** — Continue to work with the MWFA (Robotics Product Line) on a technology development/demonstration activity at Hanford. The details of a demonstration/deployment of size reduction technologies are being worked out. Initial plans are for a demonstration of size reduction at T Plant in FY 2001, using commercial technologies to size reduce the PUREX Towers (TRU) currently stored on the canyon deck. This activity supports development of technologies for later application in the M-91 Facility, and also clearing of the deck for sludge receipt. Funding for the activity will be provided by the MWFA.

## **UPCOMING ACTIVITIES**

**WIPP Certification and Waste Shipments** — Complete two shipments of Hanford TRU waste to Waste Isolation Pilot Plant (WIPP) before the end of the calendar year.

**Remote-Handled TRU Project Management Plan (PMP)** — Support RL meetings with Ecology to address Ecology's August 14, 2000 letter disapproving the PMP.

**Accelerate Readiness to Receive Spent Nuclear Fuel K Basin Sludge** —

- Complete entire T Plant deck clearing in FY 2001.
- Complete safety basis documentation and long lead procurements in FY 2001. Install handling, drying and loading equipment in FY 2001.
- Complete procedures, training, and Operations Readiness Review (ORR) by June 2001.

**Land Disposal Restriction (LDR) Report** — The 45-day primary document comment period on the Interim LDR report ended on September 14, 2000. A letter was received from Ecology requesting a two-week extension (to September 28, 2000) to the comment period. Comments were received and responses are being prepared. Not all of Ecology's comments will be resolved and the legal appeal over the Final Determination will continue.

## **COST PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>ACWP</b>	<b>VARIANCE</b>
<b>Waste Management</b>	\$115.0	\$102.2	\$12.8

The \$12.8 million (11 percent) favorable cost variances are primarily in RL-WM03 Solid Waste Storage and Disposal and RL-WM05 Liquid Effluents. Further information at the PBS level can be found in the following Cost Variance Analysis.

## **SCHEDULE PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>BCWS</b>	<b>VARIANCE</b>
<b>Waste Management</b>	\$115.0	\$117.0	- \$2.0

The \$2.0 million (2 percent) unfavorable schedule variance is within established threshold. Further information at the PBS level can be found in the following Schedule Variance Analysis.

**FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES  
 CUMULATIVE TO DATE STATUS – (\$000)**

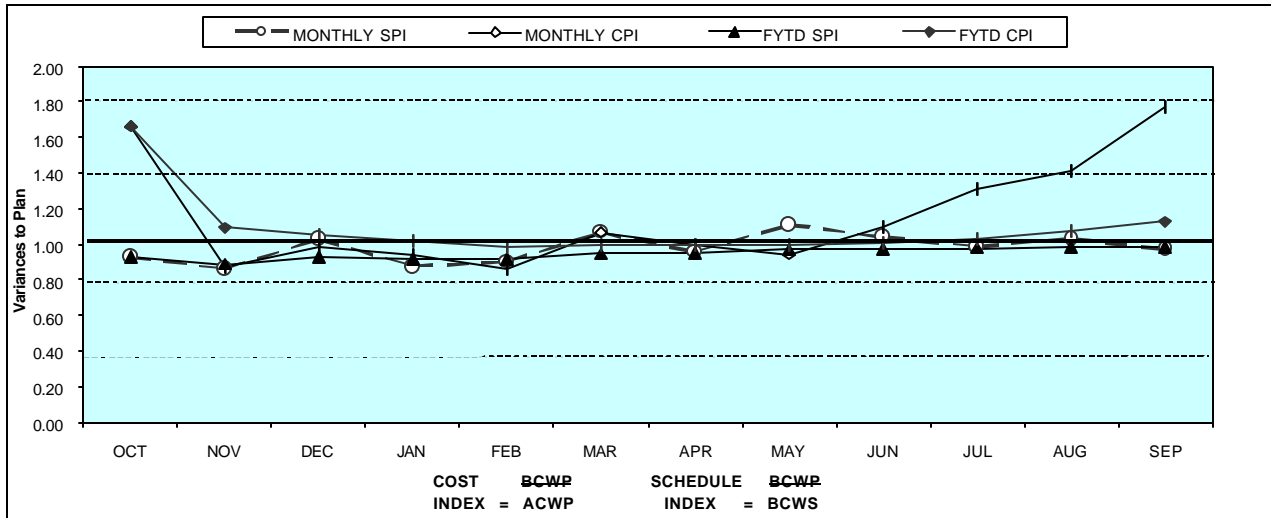
**Green**

		FYTD							
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	
PBS WM03 WBS 1.2.1	Solid Waste Storage & Disposal	\$ 38,855	\$ 38,374	\$ 32,470	\$ (482)	-1%	\$ 5,904	15%	
PBS WM04 WBS 1.2.2	Solid Waste Treatment	\$ 36,271	\$ 35,476	\$ 33,031	\$ (795)	-2%	\$ 2,445	7%	
PBS WM05* WBS 1.2.3	Liquid Effluents - 200/300 Area	\$ 28,909	\$ 28,344	\$ 24,437	\$ (565)	-2%	\$ 3,907	14%	
PBS TP02 WBS 1.4.2	WESF	\$ 12,965	\$ 12,835	\$ 12,250	\$ (130)	-1%	\$ 585	5%	
<b>Total</b>		\$ 117,000	\$ 115,028	\$ 102,187	\$ (1,973)	-2%	\$ 12,841	11%	

\*PBS WM05 includes the 300 Area Liquid Effluent, which is part of the River Corridor Project.  
 RL-Directed costs (steam and laundry) are included in the Project Execution Module (PEM) BCWS.

**COST/SCHEDULE PERFORMANCE INDICES  
 (MONTHLY AND FYTD)**

**Green**



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.93	0.86	1.03	0.88	0.90	1.07	0.96	1.11	1.04	0.99	1.03	0.97
MONTHLY CPI	1.66	0.87	0.98	0.94	0.86	1.07	0.99	0.94	1.10	1.31	1.41	1.77
FYTD SPI	0.93	0.89	0.93	0.92	0.91	0.95	0.95	0.97	0.98	0.98	0.98	0.98
FYTD CPI	1.66	1.09	1.05	1.02	0.98	1.06	1.00	0.99	1.00	1.03	1.07	1.13
MONTHLY BCWS	\$ 6,641	\$ 9,616	\$ 7,269	\$ 8,331	\$ 8,862	\$ 10,686	\$ 8,906	\$ 9,121	\$ 9,646	\$ 10,040	\$ 13,138	\$ 14,745
MONTHLY BCWP	\$ 6,163	\$ 8,277	\$ 7,499	\$ 7,291	\$ 7,973	\$ 11,406	\$ 8,514	\$ 10,136	\$ 10,012	\$ 9,913	\$ 13,511	\$ 14,333
MONTHLY ACWP	\$ 3,703	\$ 9,520	\$ 7,619	\$ 7,789	\$ 9,270	\$ 10,685	\$ 8,562	\$ 10,729	\$ 9,108	\$ 7,557	\$ 9,563	\$ 8,082
FYTD BCWS	\$ 6,641	\$ 16,257	\$ 23,526	\$ 31,857	\$ 40,719	\$ 51,404	\$ 60,310	\$ 69,431	\$ 79,076	\$ 89,117	\$ 102,255	\$ 117,000
FYTD BCWP	\$ 6,163	\$ 14,440	\$ 21,939	\$ 29,230	\$ 37,203	\$ 48,609	\$ 57,123	\$ 67,259	\$ 77,270	\$ 87,183	\$ 100,695	\$ 115,028
FYTD ACWP	\$ 3,703	\$ 13,223	\$ 20,842	\$ 28,631	\$ 37,901	\$ 48,586	\$ 57,148	\$ 67,877	\$ 76,985	\$ 84,542	\$ 94,105	\$ 102,187



## **COST VARIANCE ANALYSIS: (+ \$12.8M)**

### **WBS/PBS**

### **Title**

#### **1.2.1/WM03**

#### **Solid Waste Storage & Disposal**

**Description/Cause:** The favorable cost variance of \$5.9M (15 percent) is primarily due to documented efficiencies, staff working on the CSB, favorable passbacks, and reduced fee accrual.

**Impact:** No impact.

**Corrective Action:** No action required.

#### **1.2.2/WM04**

#### **Solid Waste Treatment**

**Description/Cause:** The favorable cost variance of \$2.4M (7 percent) is within the established threshold.

**Impact:** No impact.

**Corrective Action:** No action required.

#### **1.2.3.1/WM05**

#### **Liquid Effluents**

**Description/Cause:** The favorable cost variance of \$3.9M (14 percent) is a result of the 200 and 300 Area documented efficiencies, procurements put on hold, favorable passbacks, and attrition.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

#### **1.4.2/TP02**

#### **WESF**

**Description/Cause:** The favorable cost variance of \$0.6M (5 percent) is within the established threshold.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

## **SCHEDULE VARIANCE ANALYSIS: (- \$2.0M)**

### **WBS/PBS**

### **Title**

#### **1.2.1/ WM03**

#### **Solid Waste Storage & Disposal**

**Description /Cause:** The unfavorable schedule variance of \$0.5M (1 percent) is within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

#### **1.2.2/ WM04**

#### **Solid Waste Treatment**

**Description /Cause:** The unfavorable schedule variance of \$0.8M (2 percent) is within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

**1.2.3.1/ WM05 Liquid Effluents**

**Description /Cause:** The unfavorable schedule variance of \$0.6M (2 percent) is within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

**1.4.2/ TP02 WESF**

**Description /Cause:** The unfavorable schedule variance of \$0.1M (1 percent) is within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

**FUNDS MANAGEMENT**  
**FUNDS VS SPENDING FORECAST (\$000)**  
**FY TO DATE THROUGH SEPTEMBER 2000**  
**(FLUOR HANFORD, INC. ONLY)**

	Project Completion *			Post 2006 *			Line Items *		
	Funds	Actual Cost	Variance	Funds	Actual Cost	Variance	Funds	Actual Cost	Variance
<b>The Plateau</b>									
1.2 Waste Management									
TP02,WM03-05				\$ 105,054	\$ 95,615	\$ 9,439			
Line Item									
Total Waste Mgt. Operating				\$ 105,054	\$ 95,615	\$ 9,439			
Total Waste Mgt. Line Item									

\* Control Point

## ISSUES

### Technical Issues

None.

### DOE/REGULATOR/EXTERNAL ISSUES

**Interim Report for Hanford Land Disposal Restrictions (LDR) for Mixed Wastes —**

Substantial areas of disagreement still exist between RL and the Washington State Department of Ecology (Ecology) on the required scope and content of the Annual LDR Submittal as delineated in the Final Determination issued by the Director of Ecology on March 29, 2000. RL is appealing certain aspects of the Ecology requirements, with formalized hearings scheduled for early in calendar year 2001. As a result of RL's July 31, 2000 submittal of the LDR report, Ecology responded with comments in August that stated the report fails to meet requirements of the Final Determination. Responses are currently being prepared.

There are still major disagreements with Ecology over LDR reporting requirements. The most significant is the definition of "waste," where Ecology wants materials that have not yet been declared waste to be managed as waste including annual reporting. Ecology submitted "Motion for Partial Summary Judgment" on September 25, 2000 to the court in order to attempt to have our appeal of the Final Determination dismissed. In response, DOE submitted a legal document that argued against this position. Talks are underway with Ecology on LDR and several other issues in an attempt to reach resolution without litigation.

**Hanford Facility (HF) RCRA Permit** — The RL Regulatory Compliance Analysis Division informally proposed to Ecology that the agency incorporate lessons learned from the 222-S Laboratory Complex Part B permit application negotiations into the Central Waste Complex (CWC) and Waste Receiving and Processing (WRAP) portions of the HF Resource Conservation and Recovery Act of 1976 (RCRA) Permit. This would further delay issuance of Modification E, but would be of great benefit to both facilities. Modification E will incorporate the CWC and the 616 Non-radioactive Dangerous Waste Storage Facility (NRDWSF) Closure Plan into the RCRA Permit.

**Remote-Handled TRU Project Management Plan (PMP)** — Ecology disapproved the PMP (TPA milestone M-91-03) on August 14, 2000 because the submittal did not meet the requirements set forth in Section 11.5 of the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement). Internal meetings with RL are ongoing and meetings with Ecology occurred in mid-September; a path-forward for resolution of Ecology's concerns with the PMP is being developed based on these discussions.

**Impacts of Waste Management PEIS and ROD** — The Waste Management Programmatic Environmental Impact Statement (PEIS) was issued on February 25, 2000. The Records of Decision (ROD) for low-level waste and mixed low-level waste will affect Hanford's disposal role for the Complex and may have a significant impact on disposal volumes and rates at Hanford. DOE-HQ and Ecology negotiations continue; impacts depend upon the results of these negotiations.

## **BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)**

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT \$000	S C H	T E C H	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
WM-2000-015	7/26/00	WMP FY 2001 MYWP Revision	\$0			8/31/00	9/25/00		At DOE-RL
FH-2001-001	9/12/00	Base Ops Reduction for PHMC Projects	-\$5,036		X				Draft Prepared
FH-2001-002	9/25/00	FY2001 Fee Reduction to 90%	-\$740						Draft Prepared
FH-2001-003	9/25/00	FY2001 Addition of High Priority Workzone	\$5,639		X				Draft Prepared
<b>ADVANCE WORK AUTHORIZATIONS</b>									
		Nothing to report at this time.							

## MILESTONE ACHIEVEMENT

**Green**

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	2	0	0	0	0	0	0	2
DOE-HQ	0	0	0	0	0	0	0	0
RL	7	1	0	0	0	0	0	8
<b>Total Project</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>

Only TPA/EA milestones and all FY2000 overdue and forecast late milestones are addressed in this report. Milestones overdue are deleted from the Milestone Exception Report once they are completed. The following chart summarizes the FY2000 TPA/EA milestone achievement and a Milestone Exception Report follows.

### Tri-Party Agreement / EA Milestones

Number	Milestone Title	Status
<b>M-91-03 (WMH-00-001)</b>	Issue TRU/TRUM Waste PMP	<b>due 06/30/00</b> — Completed 6/29/2000 (stretch)
<b>M-91-04 (A2J-00-001)</b>	<b>Complete Construction of CH TRU/TRUM Retrieval Facility</b>	<b>due 09/29/00</b> — DOE-RL issued a letter to Ecology on February 29, 2000 documenting closure of the TPA milestone as retrieval has been initiated and is planned to continue, even without construction of Project W-113 facilities.

### DNFSB Commitments

	Nothing to report.	
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## MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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**OVERDUE – 0**

**FORECAST LATE – 0**

**FY 1999 OVERDUE – 1**

TRP-98-709 1.4.2	RL	Complete Hot Cell Deactivation WESF Facility (A-E)	03/31/99	03/30/01
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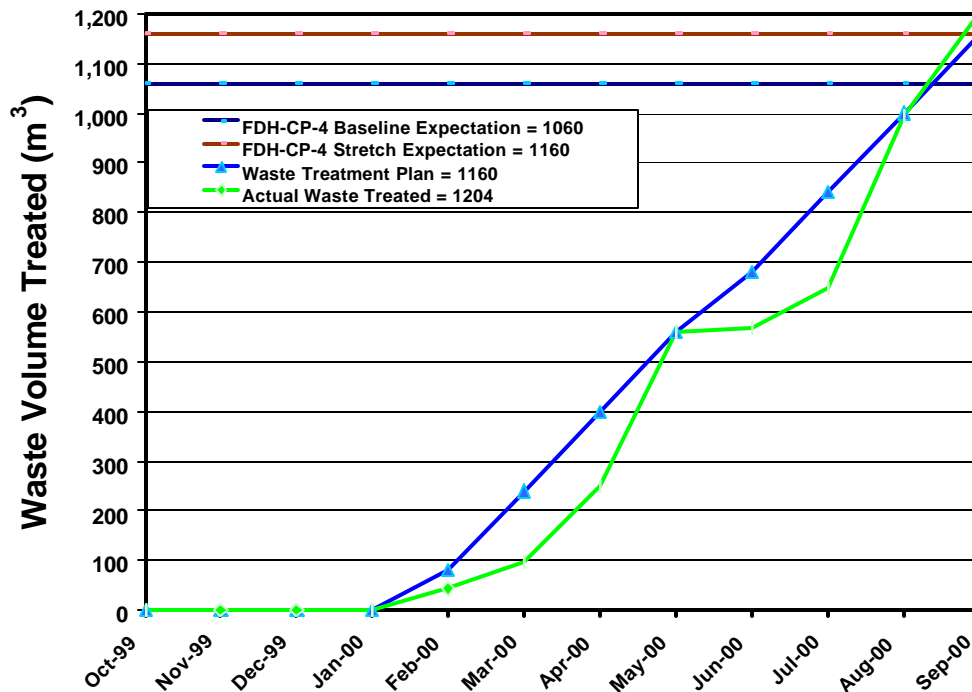
**Cause:** This milestone is not complete due to not being supported at the current funding level.

**Impact:** No overall impact is expected.

**Corrective Action:** Return-on-Investment (ROI) funding has been identified for this work scope and a new forecasted completion date of March 30, 2001 established.

## PERFORMANCE OBJECTIVES MLLW TREATMENT

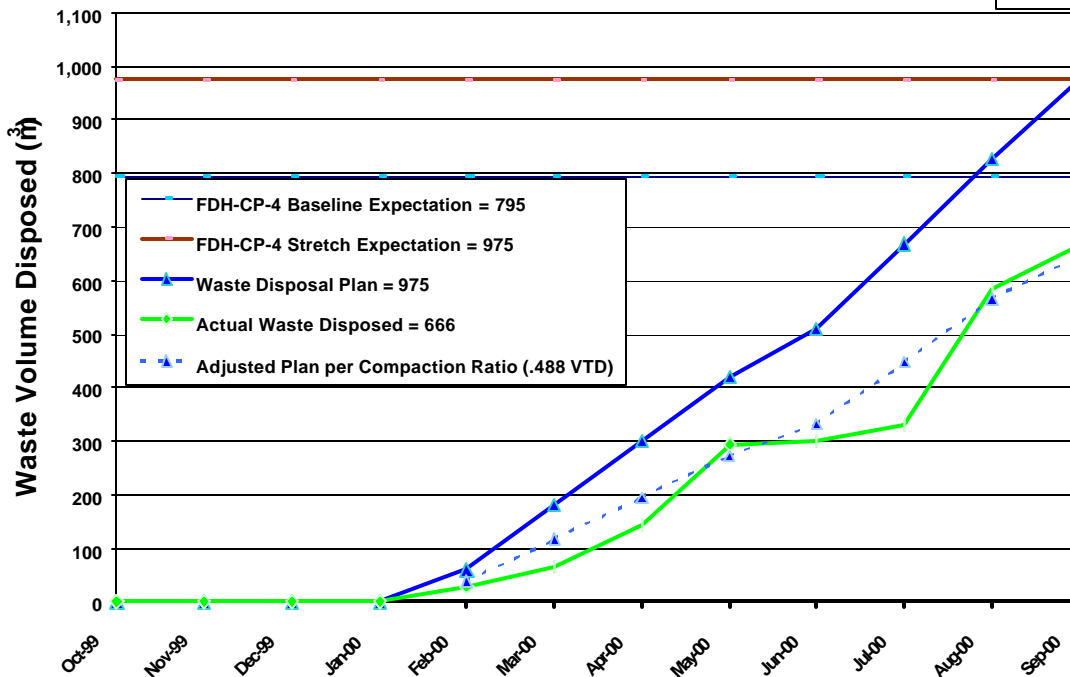
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**Action Plans:** Complete. A total of 1,204m<sup>3</sup> were treated through September 2000.

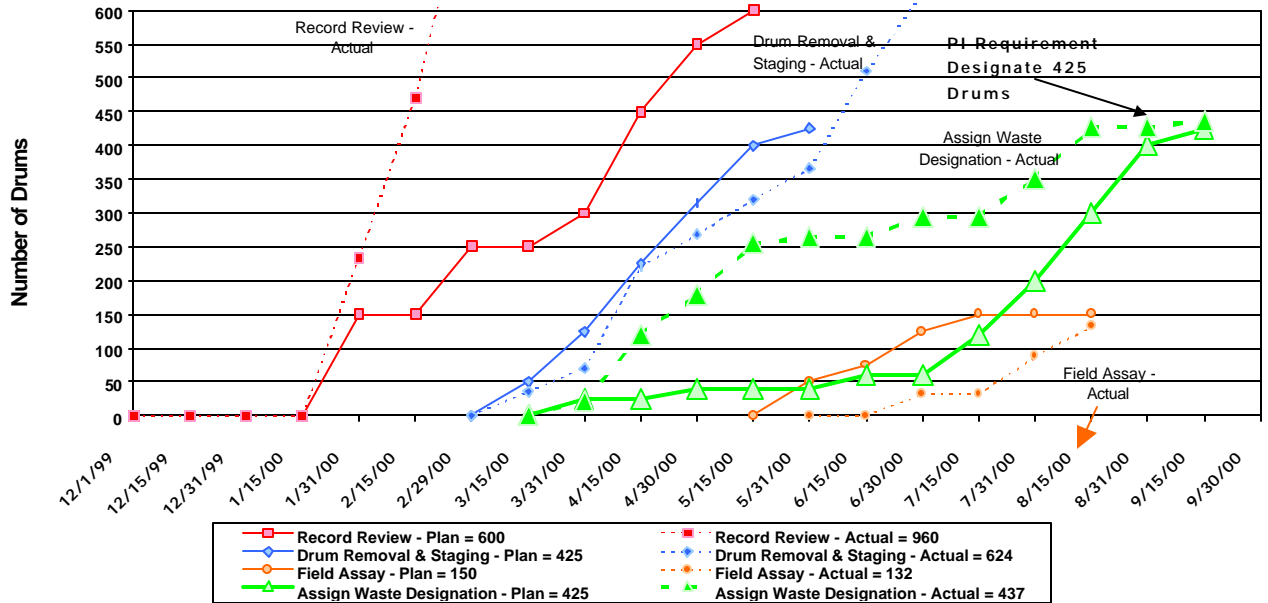
## MLLW DISPOSAL

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**Action Plans:** Complete. 666 m<sup>3</sup> disposed through September 2000 (volumes adjusted for compaction ratio).

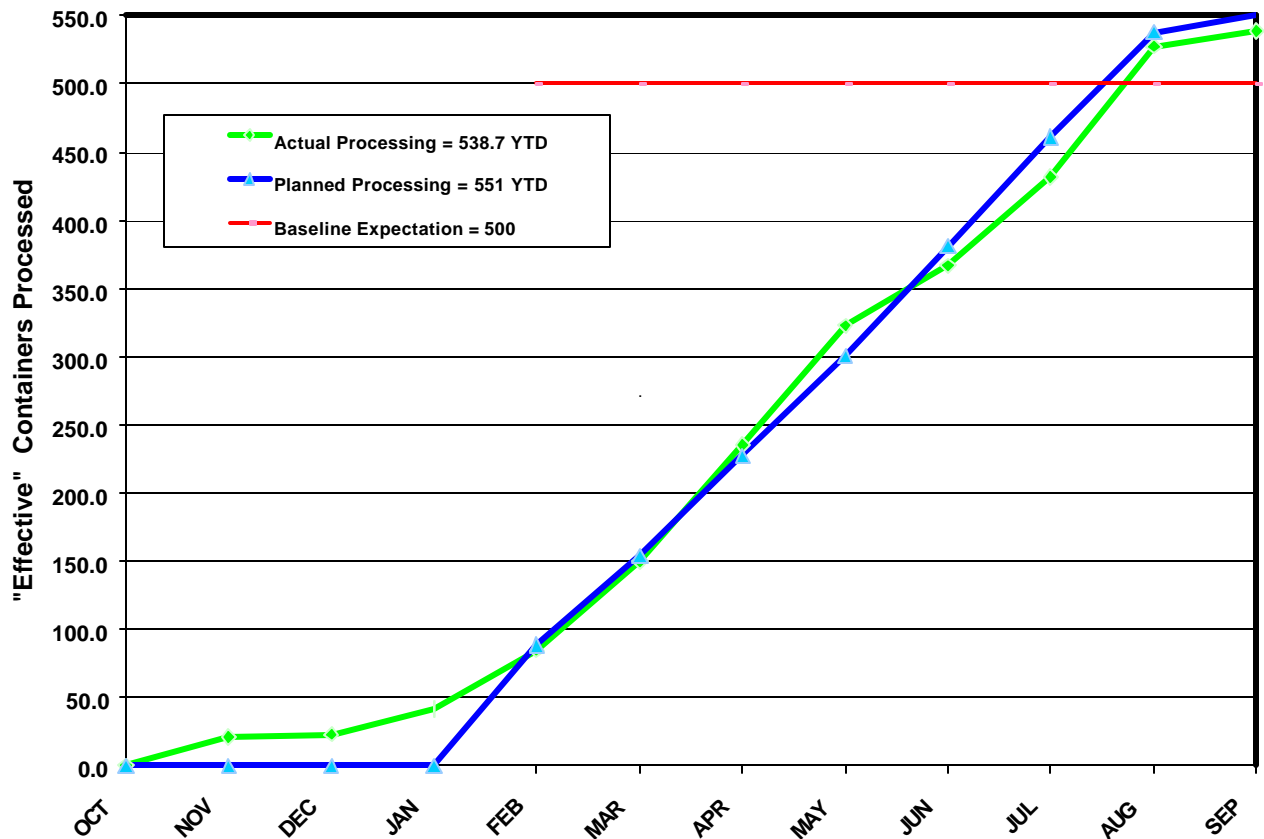
## TRU RETRIEVAL



**Action Plans:** Complete. 437 suspect TRU drums were designated through September 2000.

## TRU CONTAINER PROCESSING

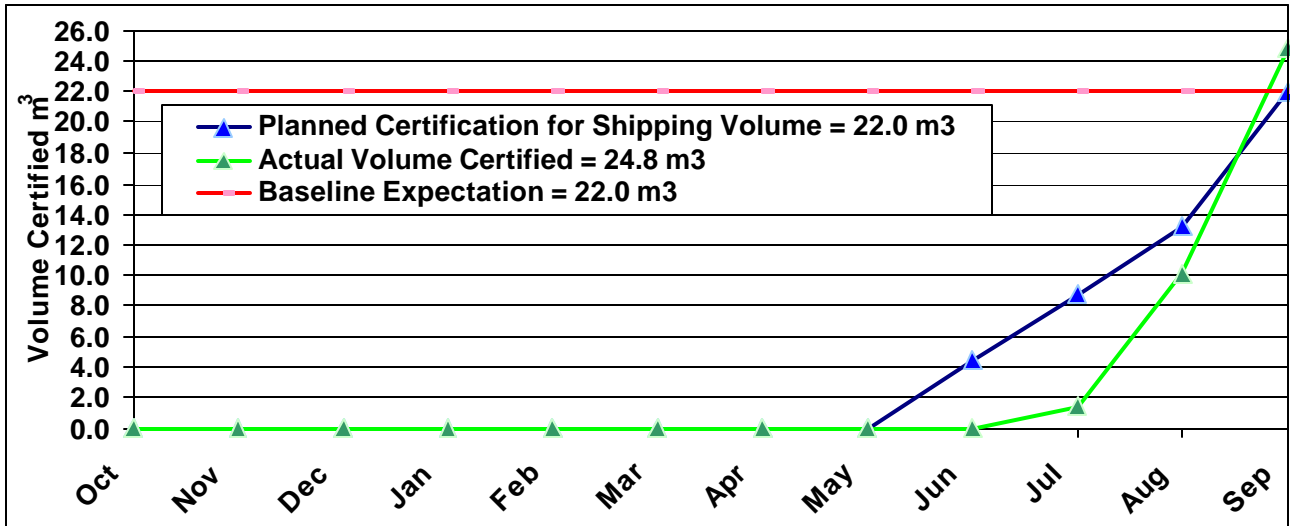
**Green**



**Action Plans:** Complete. 538.7 “effective” containers processed through September 2000.

## TRU CERTIFICATION FOR SHIPPING

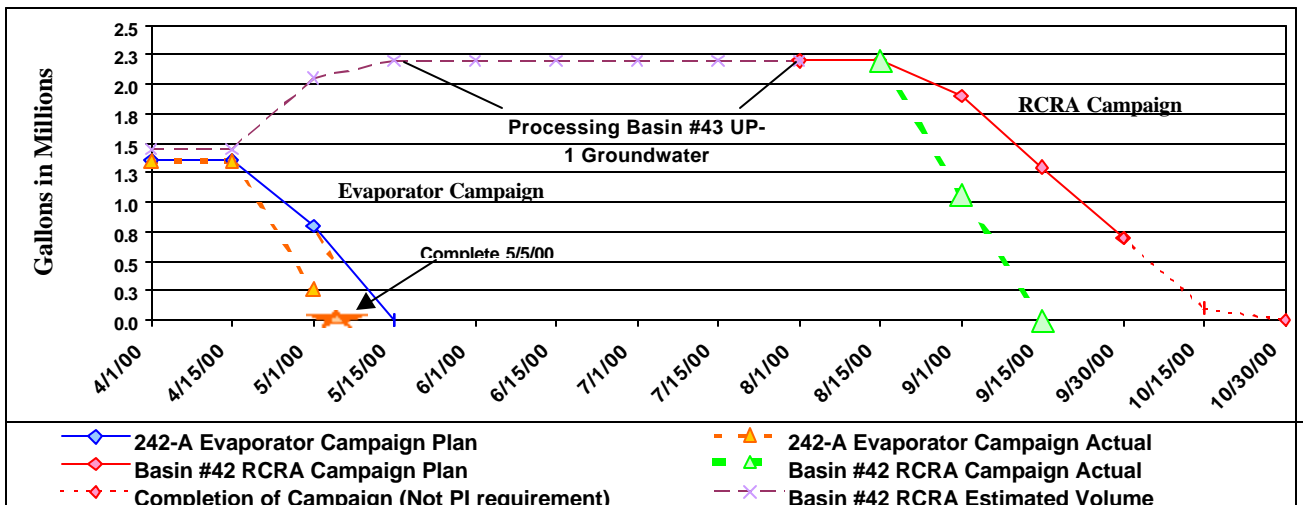
Green



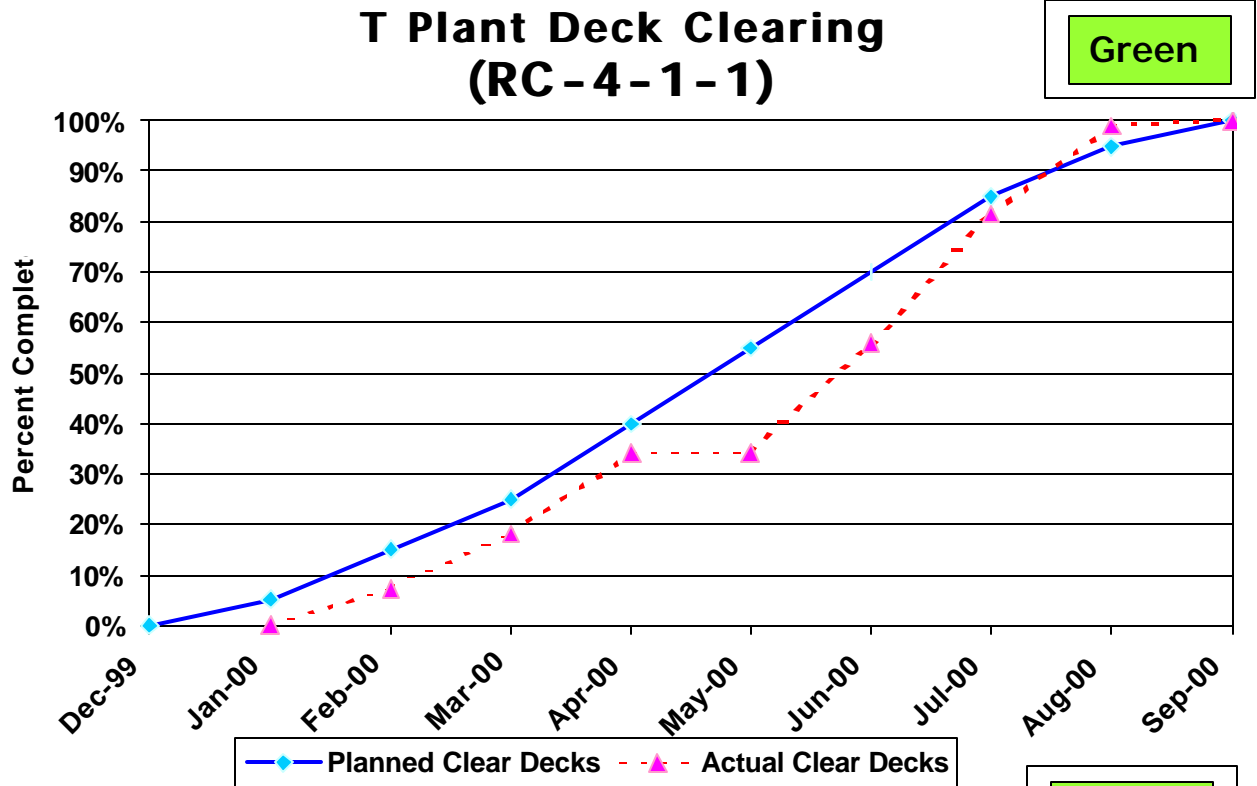
**Action Plans:** Complete. 24.8 m<sup>3</sup> certified through September 2000.

## LIQUID WASTE PROCESSING

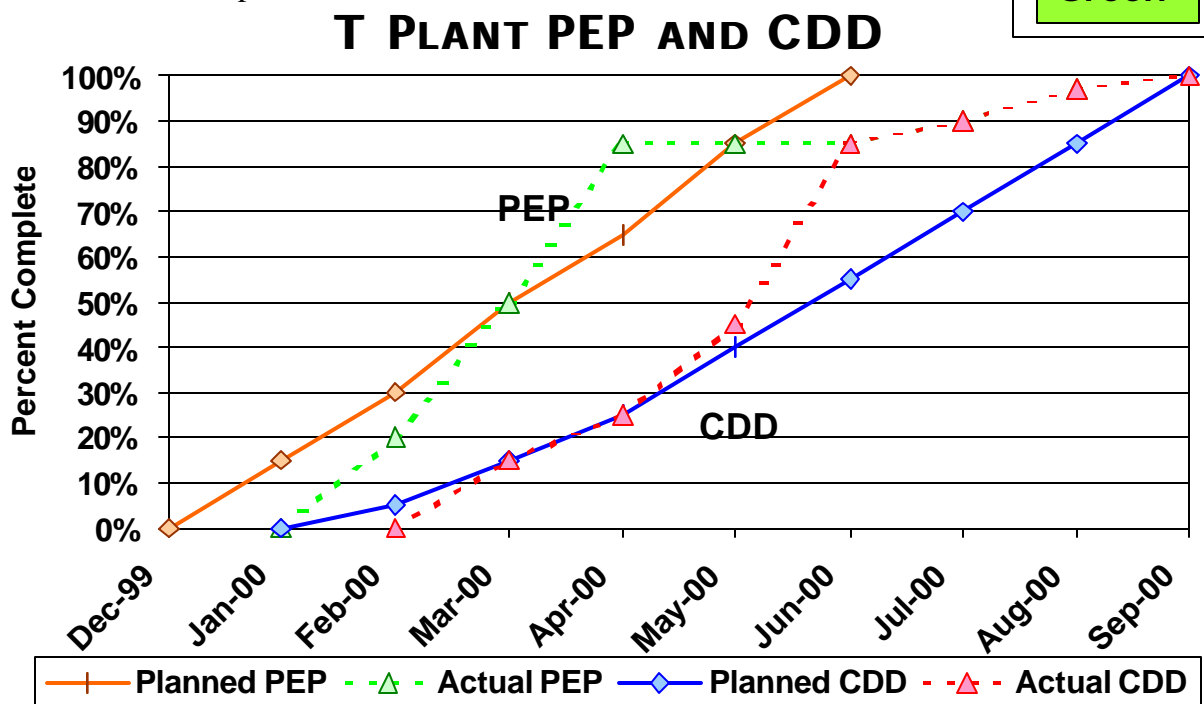
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**Action Plans:** Complete. The RCRA campaign was initiated on August 19, 2000 and completed in September 2000. Processing through September 2000 is 2.2 million gallons versus the 1.5 million gallon requirement.

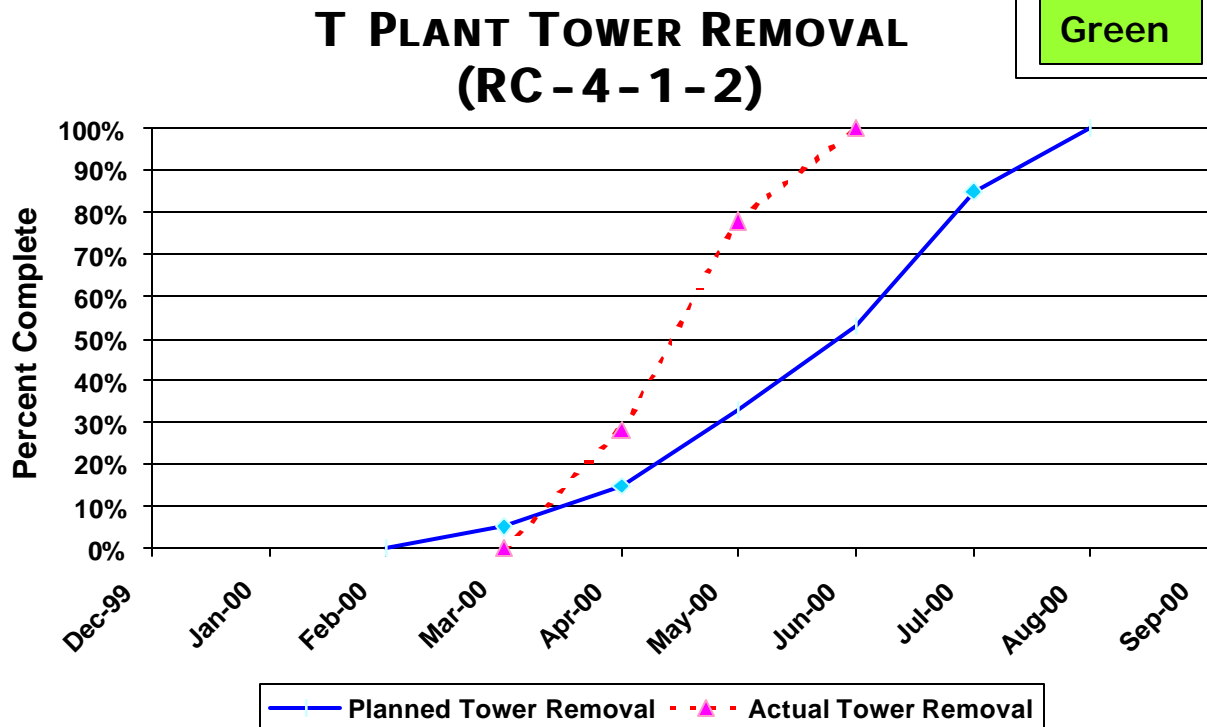


Action Plans: Complete.



Action Plans: Complete. The Project Execution Plan (PEP) and the Conceptual Design Document (CDD) both completed in September 2000.





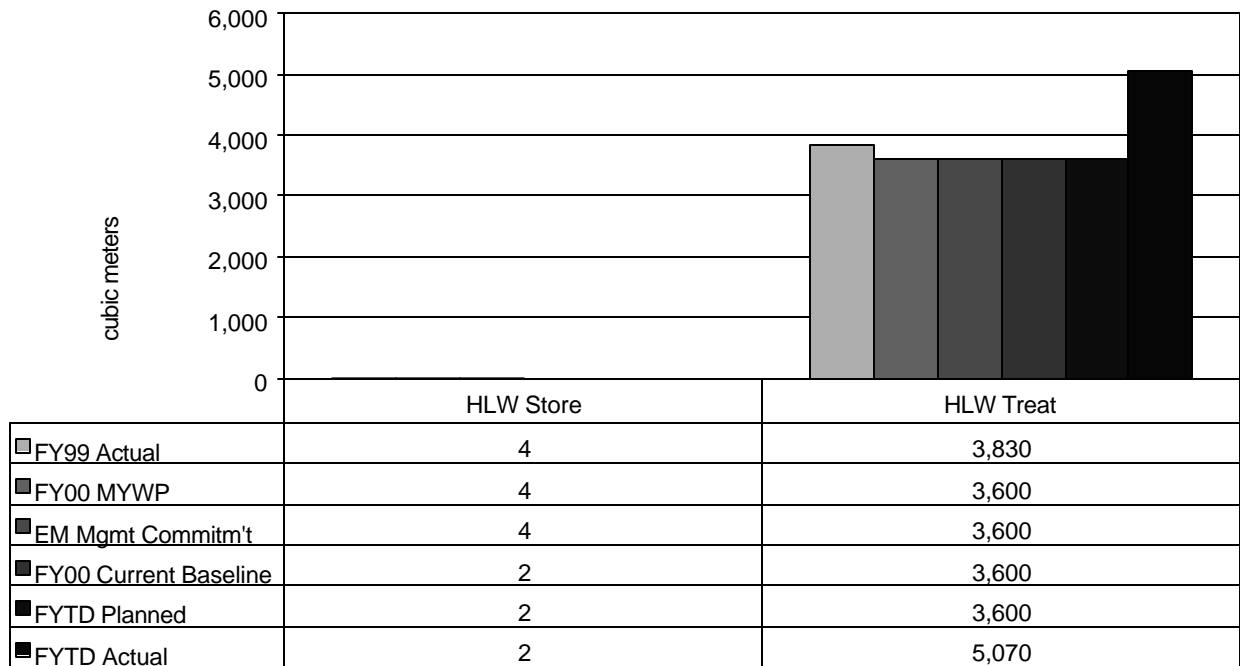
**Action Plans:** Complete. Two towers removed and disposed of in the low level burial grounds (LLBG).

## KEY INTEGRATION ACTIVITIES

- Preparing T Plant to receive Spent Nuclear Fuel K Basin sludge.
- Issuance of Records of Decision for Low-Level Waste (LLW) and Mixed Low-Level Waste (MLLW) is expected to affect Hanford's role in disposing of waste from other sites. Working with DOE-RL, DOE-HQ and other Sites to develop and define Hanford's role as one of the identified LLW/MLLW disposal sites for the Complex.
- Support continued UP-1 Groundwater treatment.
- Support River Corridor Project in cleanup and removal of waste from 324 and 327 buildings.
- Support the ORP Waste Treatment Plant.
- Continue working with PNNL, EM 50 and Mixed Waste Focus Area (MWFA) to obtain funding in support of mixed waste processing (M-91 Facility Project).
- Continue to work with DOE- RL, -Oakland, and -Ohio to support resolution of TRU small quantity site disposition issues.
- Support visits from both the DOE-Idaho Program Office and the Office of the Inspector General in regards to opportunities for treatment/disposal of Idaho National Engineering Environment Laboratory (INEEL) wastes at Hanford.

## HIGH LEVEL WASTE (HLW): STORAGE AND TREATMENT

High Level Waste Store/Treatment as of September 30, 2000

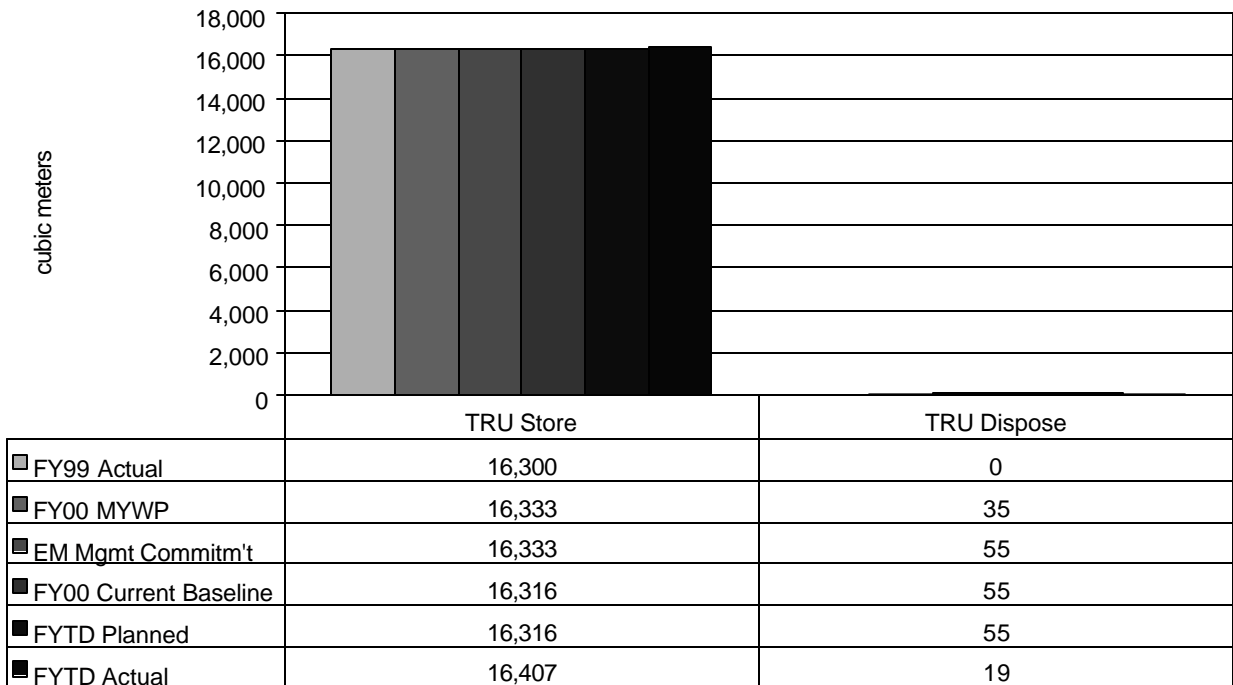


**Storage:** The HLW inventory of the Cesium (Cs) and Strontium 90 (Sr) stored in the Waste Encapsulation and Storage Facility (WESF) pool cells has been adjusted to provide a consistent reporting basis. The four (4) cubic meters above was based on the capsule dimensions. However, the reported HLW inventory should have included the volume that is HLW (i.e., the Cs and Sr salt) which is two (2) cubic meters.

**Treatment:** One evaporator campaign for treatment of high-level tank waste in FY2000 was completed during the 3rd quarter, treating 34 percent more than planned. Additional volume treated through the evaporator was necessary to support RPP in achieving a Performance Incentive for waste volume reduction in the Tank Farms underground storage tanks.

## TRANSURANIC (TRU) WASTE: STORAGE, TREATMENT AND DISPOSAL

TRansUranic (TRU) Waste as of September 30, 2000



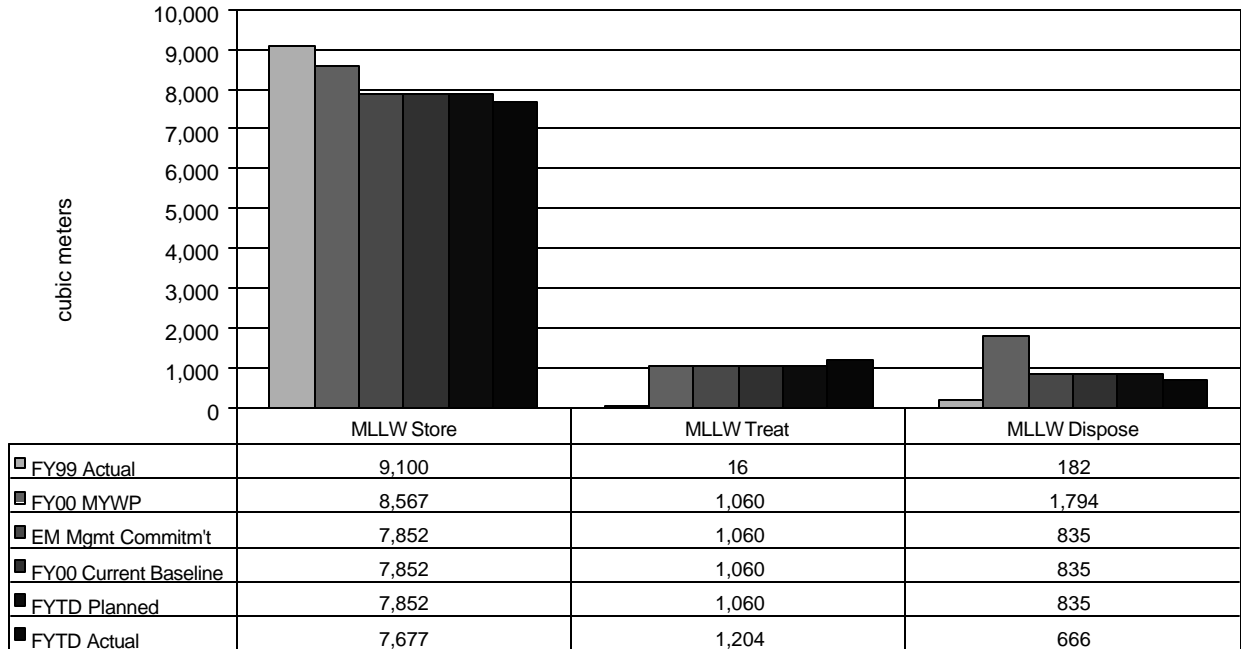
**Storage:** Storage continues to be provided for existing and newly generated TRU waste. The current volume of TRU in storage is within 10 percent of the planned amount.

**Treatment:** Based on DOE/RL interpretation, TRU processing at WRAP does not meet the revised TRU treatment definition. Therefore, TRU treatment volumes previously identified in the FY00 MYWP have been set to zero.

**Disposal:** Less TRU was shipped to Waste Isolation Pilot Plant (WIPP) this year than planned due to delays at Carlsbad for WIPP certification for Hanford waste receipts.

## **MIXED LOW LEVEL WASTE: STORAGE, TREATMENT, AND DISPOSAL**

**Mixed Low Level Waste as of September 30, 2000**

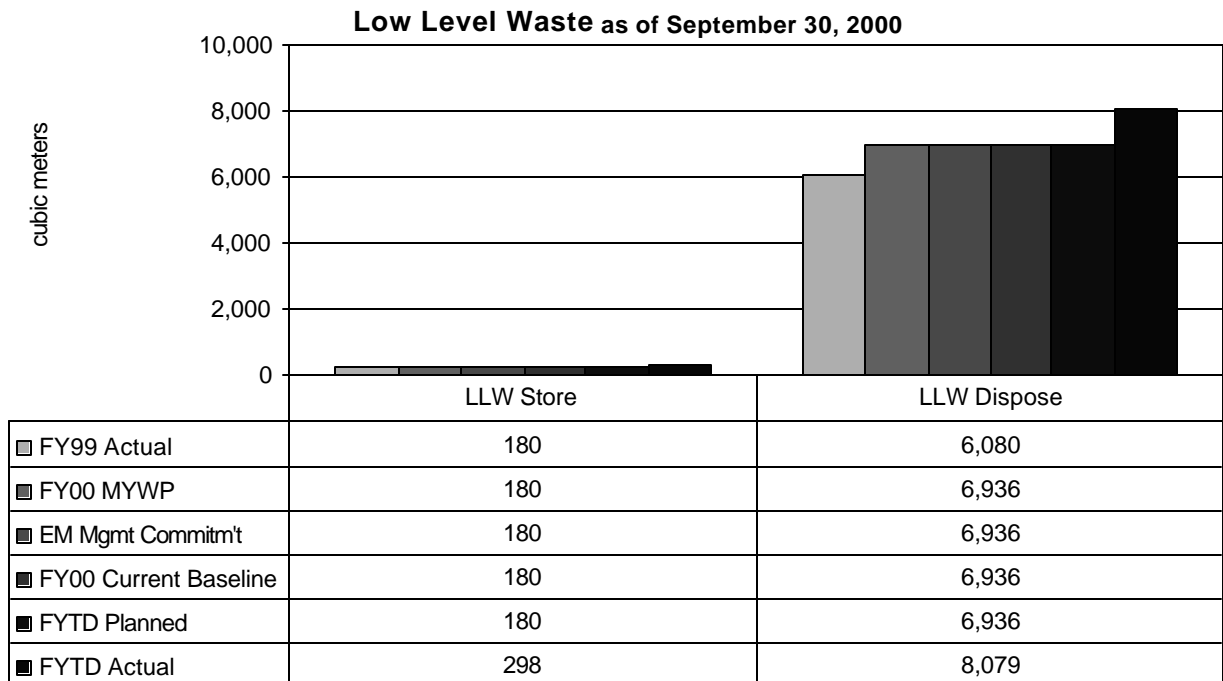


**Storage:** Storage continues to be provided for existing and newly generated MLLW waste. The current volume of MLLW in storage is within 10 percent of the planned amount.

**Treatment:** The MLLW treated exceeded the planned by approximately 13 percent. This stretch performance demonstrates increased progress towards disposition of MLLW inventory on the site. The increased treatment volume also meets the internal RL performance incentive for treating MLLW.

**Disposal:** Allied Technology Group (ATG) achieved greater volume reductions than planned (1 to .5 versus 1 to .75) in treating the MLLW. The current volume of treated MLLW, is therefore, approximately 20 percent less than the planned volume to be disposed in FY2000.

## LOW LEVEL WASTE (LLW): STORAGE, TREATMENT, AND DISPOSAL



**Storage:** An additional 118 cubic meters of LLW was placed in storage at the Central Waste Complex for certification.

**Treatment:** No treatment of LLW is planned until after FY2006 when a treatment alternative has been selected. All newly generated LLW receipts are prepared and packaged to the waste acceptance criteria for disposal of LLW in the burial grounds and no further treatment is required.

**Disposal:** Considerably more waste was received in the fourth quarter than planned resulting in 16 percent more LLW disposed in FY 2000. Major contributors included Parks Township, Argonne National Labs and General Atomics.